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Amendments to the Specification:

Please amend the paragraph beginning on page 2, line 14, as follows:

In some situations, as described in the co-pending application of the same inventor entitled "Reduction of Color Transition Distortions in NTSC/PAL Encoder," now U.S. Patent No. 5,995,164, incorporated herein by reference, it is beneficial to use the hue phase change between the pixel values which gives the minimum absolute value of the phase change. For example, a phase change from $\frac{1}{4}\pi$ to $\frac{7}{4}\pi$ produces a $\frac{3}{2}\pi$ phase change. By using the phase change from $\frac{1}{4}\pi$ to $-\frac{1}{4}\pi$ instead, the change in the hue is only $-\frac{1}{2}\pi$ and the color distortion between pixels is reduced.

Please amend the paragraph beginning on page 3, line 31, as follows:

Figure 6C is an input to the phase corrector circuitry;

Please amend the paragraphs beginning on page 5, line 21, and ending on page 6, line 2, as follows:

Figure 4 illustrates a preferred embodiment of the circuitry 50 of the present invention. The circuitry 50 includes differential phase circuitry 60, which converts the hue input into a differential phase output, along with the special filter 62 of the present invention. Also shown is the correction signal circuitry 5464 used to produce the unfiltered correction signal for the filter 62.

A preferred embodiment of the differential phase circuitry 60 is shown in Figure 5. The differential phase circuitry is also discussed and claimed in